

# Converting Colors

Hex(23AA60)

Have a look what the booklet for  
Hex(23AA60) contains.

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**Color**

**Hex(23AA60)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23AA60
RGB	35, 170, 96
RGB Percent	14%, 67%, 38%
CMY	0.8627, 0.3333, 0.6235
CMYK	0.79, 0.00, 0.44, 0.33
HSL	147°, 66%, 40%
HSV	147°, 79%, 67%
XYZ	17.1792, 29.9513, 15.9421
YIQ	121.1990, -56.7060, -51.6340

# Conversions

## Conversions Part 2

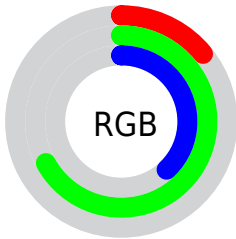
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 128, 170
Decimal	2337376
CIE <sub>Lab</sub>	61.61, -51.84, 28.40
CIE <sub>LCh</sub>	62, 59.107, 151.281
Yxy	29.9513, 0.2724, 0.4749
Android (android.graphics.Color)	4280527456 (0xFF23AA60)
YUV	121.1990, -12.4231, -75.5965
Hunter-Lab	54.7278, -39.7420, 21.0384

# Details

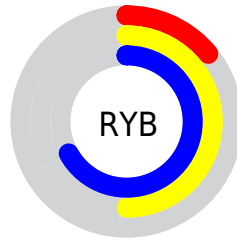
The Hex color **23AA60** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA236D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **67E293**, and **007430** is the 20% darker color. If you saturate the color by 10%, you get **12AA57**, and if you desaturate by 10%, it is **34AA69**.

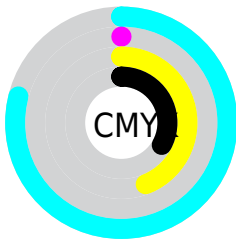
# Distribution



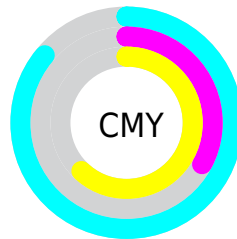
- Red (14%)
- Green (67%)
- Blue (38%)



- Red (14%)
- Yellow (50%)
- Blue (67%)



- Cyan (79%)
- Magenta (0%)
- Yellow (44%)
- Black (33%)



- Cyan (86%)
- Magenta (33%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23AA60 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 23AA60 by changing the saturation by 10% instead.



 23AA60

 23AA60

FFFFFF

 008F48

 67E293

 007430

 85FFAE

 005B19

 A2FFCA

 004201

 BFFFE6

 002C00

 DDFFFF

 000B00

 FBFFFF

 000000

 23AA60

 23AA60

 12AA57

 34AA69

01AA4D

45AA73

00AA4D

56AA7C

67AA85

78AA8F

89AA98

9AAAA1

ABAAAB

BCAAB4

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79A134



23AA60



00AE96

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23AA60



009AFE



F06B62

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23AA60



AA236D

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



F26395



23AA60



9886EF

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23AA60



00A7F0



D670C8



D77F37

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23AA60



00AEB9



D670C8



F46672



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23AA60



A9DEC1



6DAA23



50705E



F0F0F0



707070



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23AA60



0BDE6A



23AAA3



4C5450



009443



001409



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



AA236D



DE0B7F



AA232A



544C50



940051



14000B



# Previews

## White Background



This preview shows how the Hex color 23AA60 looks on a white background.

## Color Contrast Check

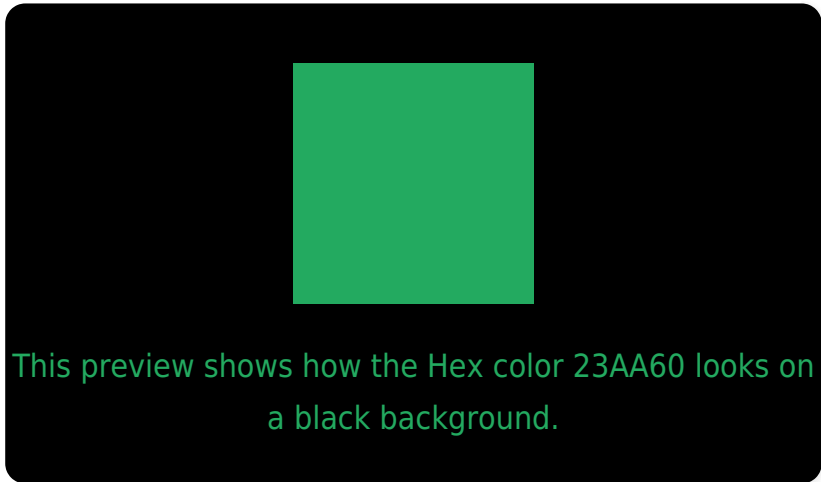
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 23AA60 Background



This preview shows how black text looks on a background with the Hex color 23AA60.



This preview shows how white text looks on a background with the Hex color 23AA60.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

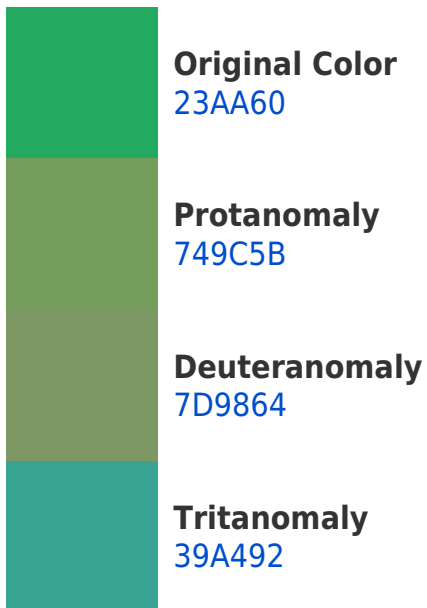
## Dichromacy



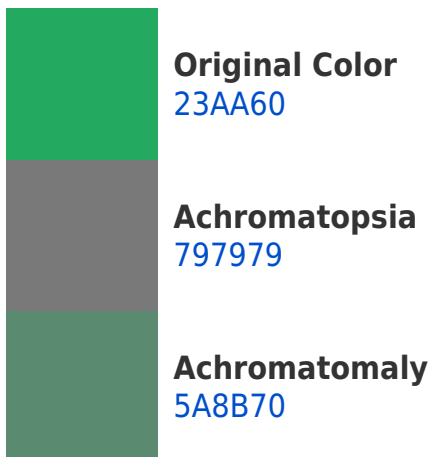


**Tritanopia**  
46A1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23AA60 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #23AA60 looks like.

```
.text, #text, p{  
    color:#23AA60  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #23AA60 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23AA60
}
```

## Border

The CSS property to change the border of an element to Hex 23AA60 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#23AA60 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#23AA60 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #23AA60 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23AA60; -webkit-box-shadow:4px 4px  
4px 4px #23AA60; box-shadow:4px 4px 4px  
4px #23AA60 }
```

# Background

The CSS property to change the background color of an element to Hex 23AA60 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23AA60 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#23AA60 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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